

REMOTE CONTROL OF A MEDICAL DEVICE USING VOICE RECOGNITION AND FOOT CONTROLS

Abstract of Disclosure

A system and method for controlling a medical device is provided such as a medical imaging device. The preferred embodiment of the present invention receives a verbal command for assigning a function of a medical imaging device from an operator. An additional verbal command from the operator assigns an input device to control the function of the selected medical imaging device. A system control and voice recognition processor then assigns the function specified by the verbal command to the input device selected by the additional verbal command. After the function of the medical device is assigned to the input device, the operator may control the selected function of the medical device with the selected input device. The system and method provides for the unobtrusive and hands-free control of discreet and continuous functions of a medical imaging device.

Figures

Figure 1: A diagram illustrating the relationship between the variables x and y . The horizontal axis is labeled x and the vertical axis is labeled y . A curve is plotted in the first quadrant, starting from the origin and increasing as x increases. The curve is labeled $y = f(x)$. The area under the curve is shaded and labeled $\int_0^x f(t) dt$. The curve is also labeled $y = f(x)$.